

Date: Mon, 21 Feb 94 18:02:25 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #187
To: Info-Hams

Info-Hams Digest Mon, 21 Feb 94 Volume 94 : Issue 187

Today's Topics:

Amateur Radio Newsline #862 18 Feb 94
 Callsign allocations
Daily Summary of Solar Geophysical Activity for 18 February
 New 2m radio
 Ramsey HF QRP Rigs
 Yaesu MH-29 LCD Microphone

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 20 Feb 1994 17:29:05 MST
From: nntp.cs.ubc.ca!alberta!ve6mgs!usenet@beaver.cs.washington.edu
Subject: Amateur Radio Newsline #862 18 Feb 94
To: info-hams@ucsd.edu

The electronic publication of the Amateur Radio Newsline is distributed
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Newsline. The text is transcribed from the audio service by Dale Cary,
ND0AK0, and is first published on Genie.

Editorial comment or news items should be E-mailed to 3241437@mcimail.com
or B.PASTERNAK@genie.geis.com. Voice or FAX to +1 805-296-7180.

All other information and disclaimers are in the text header below.

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NEWSLINE RADIO - CBBS EDITION #112 - POSTED 02/19/94

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The following is late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC. -- formerly the WESTLINK RADIO NET CBBS twice monthly. For current information updates, please call

Los Angeles.....	(213) 462-0008
Los Angeles (Instant Update Line).....	(805) 296-2407
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Seattle.....	(206) 281-8455
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Louisville.....	(502) 894-8559
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For further information about the AMATEUR RADIO NEWSLINE, please write to us with an SASE at P.O. Box 463, Pasadena, CA 91102.

Thank You
NEWSLINE

Some of the hams of NEWSLINE RADIO...

WA6ITF WB6MQV WB6FDF K6DUE W6RCL N6AHU N6AWE N6TCQ K6PGX N6PNY
KU8R N8DTN W9JUV KC9RP K9XI KB5KCH KC5UD KC0HF G8AUU WD0AKO DJ0QN
and many others in the United States and around the globe!!!

[862]

* * * * C L O S E D C I R C U I T A D V I S O R Y * * * *
* *
* The following is a closed circuit advisory and is not for *
* air over amateur radio. Repeat, not for broadcast. This is *
* just a reminder that the address for the Newsline Support *
* Fund is Newsline, in care of Dr. Norm Chalfin, K6PGX, PO Box *
* 463, Pasadena, CA 91102. Again, and as always, we thank *
* you. That ends the closed circuit with Newsline report *
* number 862 for release on Friday, February 18 1994. *
* *
* *

The following is a QST

Another ham-band may wind up in the hands of commercial users
and the idea of an instant ham radio license may be quietly
fading away.

200 MHz of SPECTRUM TO BE REALLOCATED - HAM RADIO AFFECTED!

Amateur Radio may loose part or all of one super high
frequency band in the wake of the release of a Commerce
Department report that recommends moving the military and other
government agencies off much of the nation's airwaves to make way
for new commercial use of the spectrum. The spectrum under fire
is at 2390 to 2400 Mhz and 2402 to 2417 Mhz. If the FCC chooses
to reassign it to the commercial sector, its loss will impact on
several important ham radio projects including high speed packet
radio data relays.

The peril to the band became known on Thursday February 11th.
In a preliminary report, the Commerce Department announced that

it had targeted 200 MHz of prime VHF and UHF radio spectrum to be reissued immediately with an even bigger block to be made available over the next 15 years. This latter could include the ham radio band that runs from 2300 to 2310 Mhz. A band being looked upon in many crowded urban areas as the logical place to expand repeater and other FM relay operations as well as weak signal work.

This reallocation proposal is part of a major push by congress the Clinton administration and the National Telecommunications and Information Agency. The plan is to reassign valuable government spectrum to the private sector to expand all sorts of communications concepts. It also follows an earlier decision to reallocate another big band of spectrum to the next generation of wireless technology, known as personal communications services.

The Commerce Department report did designate certain specific spectrum to be shared by government and private sector users. It said that moving some government services will be delayed until new equipment can be built. As a result some of the reallocated spectrum will not be made available for several years. The study also concluded that moving some services would be inappropriate. This, because of extensive investments made by the government or the services provided by the current spectrum users. It recommended that certain navigational services, meteorology, astronomy and space communications services should not be moved.

There are two days of sunlight in all of this. First off, the Amateur Satellite band from 2400 to 2402 MHz was not put up on the chopping block. This means that plans for the construction of the new Phase 3D ham satellite can go forward as planned.

Second, and just as important is the fact that this is only an initial report. Kind of a prototype suggestion by the NTIA that is still open to debate. A final report on this proposed spectrum reallocation is scheduled for release after the Federal Communications Commission the and private sectors have a chance to comment on it. Completion of that research and release of the report should come in about twelve months. Meantime, hams involved in the use of spectrum at 2300 MHz and above should get ready for a knock down drag out fight to save that band.

INSTANT LICENSING

The FCC's proposal to bring instant licensing to the amateur radio service appears to be in serious doubt. Comments by the Chief of FCC's Private Radio Bureau seem to leave open the possibility that the proposal may never see the light of day. Ralph Haller, N4RH, spoke to amateurs at the Tropical Hamboree in Miami on February 5th.

Commission officials say they are surprised at the response to the FCC's proposal to bring instant licensing to ham radio. The idea is to allow people who successfully pass their first license exams to get on the air immediately. That way they would not have to wait to receive a license from the commission. A process that has taken as long as 3 months. The ARRL strongly opposes the FCC's idea. Frank Butler, W4RH directs the leagues Southeastern Division. He says amateurs are solidly against instant licensing.

"What their concern mainly is that people will get, make up a callsign and get on the air without ever really having ever taken a test." Frank Butler, W4RH, Director ARRL Southeastern Division.

Instant licensing the way the FCC proposed may not be necessary. The commission is about to upgrade its nearly 30 year old computer system. Ralph Haller, N4RH, says this promises to be much faster processing of license applications.

"I think the people have some legitimate concerns in instant licensing that we are going to have to look out very closely and combine that with our improved speeds of services I expect with the new computer and weigh whether instant licensing makes sense in the amateur service."

We seem to be leaving the door open for instant licensing the whole controversy could be taken care of with the new computer system.

"I think that's a reasonable possibility. Particularly as we get electronic filing with the VAX. We may well reach the situation individual exam sites would have immediate access to our computers and we might even be able to have a license, I am dreaming a little bit here, that we may well be able to issue, have the VE issue the license right in the exam session." Ralph Haller, N4RH, Chief of the FCC's Private Radio Bureau.

Haller says the commission will look at the responses amateurs submit to the instant licensing proposal. One that so far has little support in the amateur community.

VANITY CALL SIGN UPDATE

Another big announcement from Ralph Haller. Vanity callsigns are just around the corner. Haller believes you'll be able to request a call sign of your choosing by late summer. The program will probably be brought on line in phases, with Extra class hams getting first crack. Club callsigns will also be available. Start saving your quarters...a vanity call sign will cost \$70... that's 7-dollars for each of the 10 years an amateur radio license covers.

COURT ORDERS HAM OFF REPEATER

This just in. An Orange County California Superior Court has issued a three year restraining order against a ham that will keep him from operating on an area repeater. The order was requested in January by an attorney for the Clairmont Amateur Repeater Association and was issued against Tim Seawolf, KJ5KE of Quail Valley. This is a precedent setting case in that the club has used the civil rather than federal court system to ban someone from their repeater that they allege to be an undesirable operator. More details on this story next week.

ARRL BOARD ELECTIONS

The ARRL Board of Directors has affirmed its confidence in the leadership of George S. Wilson, W4OYI by electing him to serve another two years as the organizations president. Wilson, an attorney from Owensboro Kentucky has turned out to be one of the most dynamic leaders in the leagues history. Before his election two years ago, Wilson made a public pledge to do all he could to help clean up the many problems plaguing the ham bands. We carried his words right here on Newsline in 1992. Wilson has since lived up to every word that he said!

Also returning for additional two year terms are first vice president Rod Stafford, KB6ZV, Vice Presidents Jay Holladay, W6EJJ and Tom Frenaye, K1KI. Treasurer Jim Mc Cobb, K1LLU, Executive Vice President Dave Sumner, K1ZZ and Chief Financial Officer Barry Shelly were also re-elected to serve the next two years.

Elected to the Executive Committee are Rocky Mountain division director Marshall Quiat, AG0X, Hudson Division Director Stephen Mendelsohn, WA2DHF, Delta Division Director Joel Harrison, WB5IGF and Great lakes Division Director Al Severson, AB8P.

GEORGIA ANT

A bill introduced in the Georgia Legislature that would eliminate the effect of restrictive property covenants on amateurs is believed to be the first of its type in the nation. This, according to Georgia Section Manager Jim Altman, N4UCK.

Altman says that the proposed legislation known as Georgia House Bill 1134, would prevent all new and renewed covenants from regulating, controlling, or restricting antennas owned and operated by licensed amateurs in the state.

Altman says that, in Georgia, all restrictive covenants have a

life of 20 years, but can be renewed. In banning new and renewed covenants the proposed new law would leave the existing covenants in place until their natural expiration, and prevent new ones. Then, over the next 20 years, all existing covenants would disappear.

The bill was initially referred to the State Bar committee on real property law, which gave the measure a do pass recommendation. That's a good sign and Amateurs in Georgia are urged to contact their state legislators and urge their support of H.B. 1134. Hams elsewhere will want to watch this one carefully as it could set a national precedent for fighting deed restrictions nationwide.

STONER UPDATE

Speaking about fighting deed restrictions, one ham who has been at the forefront of the battle is Don Stoner, W6TNS. As previously reported, Stoner, who heads up the National Amateur Radio Association has been fighting an antenna battle of his own. In addition to legal action, Don has taken to the political high ground as well. W6TNS is trying to get the Florida State Emergency Preparedness plan changed to include ham radio as an integral aspect and there-by negate anti ham radio deed restrictions in planned communities. We ran into W6TNS at the recent Tropical Hamboree in Miami and got this update.

"The condominium restrictive covenants are applicable all over the country. There are hams all over the country that are precluded from actually getting on the air, at least on HF, because of these restrictive laws. But the support from the local group in the Clearwater area, and really all over the state of Florida, has just been enormous. One of the things I think we can do is marshal that support and organize it into a packet letter writing campaign. I think hams will send packet messages to their legislator far easier than they will write a letter. They love to send messages over ham radio because that is what it is all about." Don Stoner, W6TNS, President of NARA.

Stoner also says that banning the prohibition on ham radio antennas is important to the safety of all of the residents of is regularly hurricane ravaged state.

SEATTLE TROLLEY QRM

Seattle Washington hams are once again suffering from trolley car induced RFI. The story goes back a number of years when Seattle added a number of new electric trolleys to their fleet. According to Clay Freinwald, K7CR of the Western Washington

Amateur Relay Association, the presence of these new trolleys was instantly noted as their new electronic control system radiated like an all band transceiver and the overhead catenary system of power wires became their gigantic antenna.

Marty Hadfield a broadcast engineer at KMT matter. Operating through the Western Washington Cooperative Interference Committee, Marty was able to get the Metropolitan Transit System to install filters on the vehicles to help minimize the problem. The filters were not a cure all and you can still hear some of the interference on any AM radio.

Recently, the transit authority purchased some dual powered vehicles. They run on diesel engines in outlying areas and then connect to the transit overhead wiring when inside Seattle proper. Marty Hadfield says that these new vehicles are not much different than the old ones. They too radiate like crazy and this time the interference is not limited to the AM broadcast band. He says that almost any radio in the downtown area can hear what sounds like a cats meow on any two way radio including those used by hams. Marty is trying to solve the problem, but it looks as if its going to be an uphill road till all of the meowing is gone from the Seattle radio airwaves.

T9S DX

In DX, the special event station T9S will be active during the month of February to commemorate the 10th anniversary of the Olympic Winter Games of 1984, which was held in Sarajevo. Activity will be on all bands and QSL cards will be handled by DL1QQ, direct or via the bureau.

PERRY TO BE AT DAYTON

Educator Carole Perry, WB2MGP says that she is looking for youngsters skilled in talking before large groups to be a part of her Youth Seminar at the 1994 Dayton Hamvention. The Staten Island New York school teacher will be expanding her youth session and says that more young hams are needed as speakers this year.

"Once again we are looking for youngsters who are articulate and enthusiastic about what they enjoy about amateur radio. I understand I am going to be getting an expanded time slot this year because of the popularity of the program last year. It seems that the session that always follows me, unfortunately always has to deal with us running over a little bit. So this year they have graciously given me a bigger time slot. I am looking for lots and lots of youngsters to be interviewed and

>>>calls?

> Don't people read words and books by eye any more? The ARRL log
> books and many other sources have all this information listed on
> a couple of pages - you know, printing on paper. When you hear
> an unfamiliar callsign, you look at the piece of paper. It's
> much like looking in a dictionary - a real book, that is, not an
> "on-line word source".

> Can you tell that I was born before computers became popular?

>Derek Wills (AA5BT, G3NMX)
>Department of Astronomy, University of Texas,
>Austin TX 78712. (512-471-1392)
>oo7@astro.as.utexas.edu

Thank you for your helpful, warm remarks.

NOT!!

Look, let's not be a jerk. It should have been clear from my post, which in its original form mentioned that I had a listing from this month's CQ but that I really wanted something in electronic form, that if I wanted something on paper, I already had it. The reason I like things in computer readable form is because my office is absolutely overflowing with paper! If I go away for a week, the amount of new paper that arrives in the mail will more than fill one of those boxes Hammermill uses for 10 reams of copy paper. We're talking about a serious problem with too goddam much paper!

Now, your life maybe real simple, just like your view of the world and maybe for you, a paper listing is adequate. If so, enjoy! No one's twisting your arm to move into the modern world. For me, an electronic listing that I can let my machines keep track of for me would be a real help.

Clear enough?

Yours,
Doug Hamilton hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

Date: Sun, 20 Feb 1994 14:18:32 MST
From: nntp.cs.ubc.ca!alberta!ve6mgs!usenet@beaver.cs.washington.edu
Subject: Daily Summary of Solar Geophysical Activity for 18 February

To: info-hams@ucsd.edu

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACT

18 FEBRUARY, 1994

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACT

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 049, 02/18/94
10.7 FLUX=106.3  90-AVG=106          SSN=077          BKI=0123 1112  BAI=005
BGND-XRAY=B2.0    FLU1=1.2E+06  FLU10=1.4E+04  PKI=2223 2213  PAI=007
    BOU-DEV=004,006,010,024,008,009,006,019  DEV-AVG=010  NT      SWF=00:000
    XRAY-MAX= C1.1  @ 0543UT      XRAY-MIN= B1.8  @ 0327UT      XRAY-AVG= B2.7
NEUTN-MAX= +003%  @ 2020UT      NEUTN-MIN= -001%  @ 1525UT      NEUTN-AVG= +0.4%
    PCA-MAX= +0.1DB @ 2210UT      PCA-MIN= -0.3DB @ 0450UT      PCA-AVG= -0.0DB
BOUTF-MAX=55345NT @ 2336UT      BOUTF-MIN=55328NT @ 1834UT      BOUTF-AVG=55337NT
GOES7-MAX=P:+000NT@ 0000UT      GOES7-MIN=N:+000NT@ 0000UT      G7-AVG=+074,+000,+000
GOES6-MAX=P:+129NT@ 1909UT      GOES6-MIN=N:-064NT@ 0643UT      G6-AVG=+096,+035,-025
    FLUXFCST=STD:110,110,110;SESC:110,110,110  BAI/PAI-FCST=015,010,005/015,012,010
    KFCST=3334 4333 2224 4221  27DAY-AP=007,005  27DAY-KP=3212 2122 2212 2122
WARNINGS=
ALERTS=
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 17 FEB 94 was 45.0.
 The Full Kp Indices for 17 FEB 94 are: 2- 2o 3- 3- 2+ 2+ 2o 2-
 The 3-Hr Ap Indices for 17 FEB 94 are: 6 8 14 11 10 9 8 7
 Greater than 2 MeV Electron Fluence for 18 FEB is: 4.2E+08

SYNOPSIS OF ACT

Solar activity was low. Region 7671 (N11E15) produced a C1/0F flare at 18/0542Z. A 5 degree filament near S20E05 disappeared between 17/1857Z and 18/1218Z.

Solar activity forecast: solar activity is expected to be low through the period.

The geomagnetic field has been at quiet to unsettled levels for the past 24 hours. High latitudes experienced some active levels during the period.

Geophysical activity forecast: the geomagnetic field is expected to be unsettled for most of the period due to coronal hole effects. Quiet to unsettled conditions are expected by the end of the period.

Event probabilities 19 feb-21 feb

Class M	10/10/10
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 19 feb-21 feb

A. Middle Latitudes

Active	25/25/20
Minor Storm	15/15/10
Major-Severe Storm	05/05/01

B. High Latitudes

Active	25/25/25
Minor Storm	15/15/15
Major-Severe Storm	05/05/05

HF propagation conditions were generally near-normal over all regions. Conditions should continue near-normal over the next 72 hours, although high latitudes may see some sporadic minor signal degradation due to possible effects from a coronal hole.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WIT

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7668	N10W82	284	0020	AXX	01	002	ALPHA	
7669	N08W08	210	0010	CS0	04	003	BET	
7670	N10W00	202	0010	AXX	04	003	ALPHA	
7671	N11E14	188	0380	CK0	08	016	BET	
7673	N08W65	267	0030	BX0	04	003	BET	
7672	N03E02	200					PLAGE	

REGIONS DUE TO RET

NMBR LAT
7663 N13 89

LISTING OF SOLAR ENERGETIC EVENTS FOR 18 FEBRUARY, 1994

BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
0328 0328 0328 320

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 18 FEBRUARY, 1994

BEGIN MAX END LOCATION TYPE SIZE DUR II IV
NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 18/2400Z

ISOLATED HOLES AND POLAR EXT
EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
NO DAT

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz

17 Feb: 0300 0300 0303 SF 7670 N11E23
1016 1023 1029 B8.1
1100 1111 1126 C1.7

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

C M X S 1 2 3 4 Total (%)

Region 7670: 0 0 0 1 0 0 0 0 001 (33.3)
Uncorrelated: 1 0 0 0 0 0 0 0 002 (66.7)

Total Events: 003 optical and x-ray.

EVENTS WIT

Date	Begin	Max	End	Xray	Op Region	Locn	Sweeps/Optical Observations
17 Feb:	1100	1111	1126	C1.7			III

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Sun, 20 Feb 1994 18:08:06 GMT
 From: wyvern!dward@uunet.uu.net
 Subject: New 2m radio
 To: info-hams@ucsd.edu

OK. I need some advice. I'm returning to the air after a long absence and would like recommendations on what type of 2m vhf-fm radio to purchase. I desire portability, so that probably means an HT. In addition to brand names, what features should I get -- at a minimum, as well as "nice to have" for future operation. I travel by vehicle around the SE US, so will need to be able to access many different repeaters. So, what do you say?

Dale Ward - N5LNW

--

 Dale Ward |It may not be Texas, but it's close enough to heaven...
dward@wyvern.com

Date: Mon, 21 Feb 1994 01:53:39 GMT
From: agate!howland.reston.ans.net!gatech!udel!news.sprintlink.net!direct!
kg7bk@ames.arpa
Subject: Ramsey HF QRP Rigs
To: info-hams@ucsd.edu

>Now, have you, Cecil, or anyone else, built any of Ramsey's HF QRP xmtrs?
>For \$30 I might get one of those pup's for 20M (but from what I hear I
>think a low pass filter might be in order).
>
>73, Jeff NH6IL

No, Jeff, I haven't built one and don't know anyone who has but, like you,
would be interested in hearing from anyone who has.

73, Cecil, kg7bk@indirect.com

Date: 20 Feb 1994 19:16:36 -0600
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!uwm.edu!post.its.mcw.edu!
not-for-mail@ames.arpa
Subject: Yaesu MH-29 LCD Microphone
To: info-hams@ucsd.edu

I read somewhere that there were undocumented features in the MH-29 LCD
microphone. Does anyone on the net have any further information on this
subject?

--
Michael J. Malloy
Medical College of Wisconsin
mmjjmm@post.its.mcw.edu
Truth is a Virus

End of Info-Hams Digest V94 #187

